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DAH-1500i

User's Manual

DIGITAL AUDIO PLAYER - C U B E





View Index

Before starting

Page 3

Safety Precautions/ Special Features/ Technical Specifications/ Accessories/ Part Specifications/ Buttons/ LCD/ Recharging/ Power/ Connecting to a PC/ Disconnecting the Unit

Basic operations

Page 22

Power On-Off / Playing Music/ Navigation (Searching folder during play)/Menu Operations/ Hold/ Clock

Play Function

Page 28

Play, Pause/ Selecting Music/ Repeating/ Deleting File

Play List

Page 33

Editing Play List/ Playing the List

Voice Recording

Page 36

Voice Recording/ Playing recorded message



View Index

FM Radio Function

Page 40

Listening to the Radio/ Stand by/ Tuning/ Saving FM Frequencies/P-Set Mode/ Recording Radio Program

Setting

Page 48

Menu List/ Menu Buttons/ Mode Change/ Sound Setting/ Display/ Time setting/ Play Mode/ Record Set/ Etc setting

Program

Page 65

Installing the Program CD/Downloading/ Uploading Files/Formatting

Support

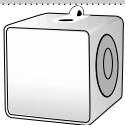
Page 72

Troubleshooting/ Warranty Card

1



Before Starting






Safety Precautions	4
Special Features	9
Technical Specifications	11
Accessories	12
Part Specifications	13
Buttons	15
LCD Display	16
Recharging	17
Power	18
Connecting to a PC	19
Disconnecting the Unit	20



Safety Precautions

Please read carefully before start using the unit. There are 3 different warnings used throughout this manual. We are liable for the accidents and/or damaged caused due to negligent use of the unit.

- *  Danger : May cause death or serious injury if ignored
- *  Warning : There is a possibility of death of serious injury if ignored
- *  Attention : May cause injury or damage to the unit in some cases



Safety Precautions

⚠ Danger

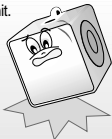
- Do not disassemble or modify the product.



- Keep unit away from heat and direct sunlight.



- Do not drop the unit.



- Do not touch with wet hands.



- Do not use earphones while riding a bicycle or motorcycle, or while driving a car.



⚠ Caution

- Distributing music files without authorization is against copyright law.



Safety Precautions

⚠ Warning

- Avoid humidity and dust.



- Listening to loud music may cause hearing loss.



- Using chemical or other cleansers may damage the unit's surface.



- The manufacturer is not responsible for any damages caused to data saved in the unit if caused by user. We do not guarantee that data will not be lost during service or repair.



- Reset the unit immediately if you detect excessive heat is being generated by the unit. Contact an service center.





Safety Precautions

Safety Matters for AC Adaptor (Optional accessory)



- To avoid shock do not open the unit.



- Non-insulated parts in the AC adaptor may cause electric shock. Don't open the adaptor case.
- Carefully read the manual for instructions on proper use of the AC adaptor.

WARNING

Prevent the AC adaptor from contacting water to avoid fire or electric shock. Use enclosed adaptor in the package only to ensure the safety. (Manufacturer is not responsible for any trouble caused by using other adaptors).

NOTE

Use correct outlet socket to connect with the power plug to avoid electric shock. The power plug shall not be exposed outside when it is successfully connected into the socket.



Safety Precautions

Built-in Battery

- Don't use a damaged built-in battery or AC adaptor.
- Exceeding the recommended recharging time may cause a fire.
- Fully recharge the battery before initial use or after a lengthy period of inactivity.
- When the battery no longer holds its charge despite being fully recharged; it's time to replace it.
- To avoid fire or electric shock do not allow metal parts on the DC converter to come in contact with conductive materials such as metals, water etc.
- To prevent fire and electric shock avoid contact with water.

Special Features



World's smallest Mp3 Player

Super compact size (24*24*24mm) and weighs only 18 grams. A fully featured MP3/audio player that fits in the palm of your hand!



OLED Display

Self Emitting Blue OLED Display combined with blue letters brings new beauty to the unit. OLED provides superior sharpness, brilliance and easy to read display.



Five Preset EQ modes plus one User-set EQ mode

Features 5 preset equalization modes; Normal/ Rock/ Jazz/ Classic/ Pop and you can also customize equalization to suit your sound.



SRS Function

3D surrounding and superior Base enhances your music listening experience.



File Navigation System and Unlimited Folder Capacity

The player can play MP3 files saved in multiple folders. Those files and folders can be selected and played as if in a Windows environment.



Easy & Convenient Clock

Built in clock keeps you on time.

Special Features



PC Peripheral Device

By connecting the product to PC, the Windows system automatically recognizes it as a removable disk. No additional software needed. It can also be used as storage for other types of files.



FM Radio receptor and recorder

Enjoy FM radio listening as well as digital music files (MP3/WMA). It can also record your FM programming which allows you to listen to it over and over or to save it on your PC.



Voice Recorder

Built in high quality microphone allows you to record your voice.



Built-in Lithium-Polymer Battery

No extra battery or recharger is required. This advanced battery system is easily recharged by connecting into the USB port on your PC.



Resume Function in Second Unit

Settings are automatically restored when the unit is powered ON in case of sudden power down.



Firmware Upgradeable

Firmware is easily upgradeable to new features and functions.

Technical Specifications

Functions	Items	Specifications
FM Tuner	FM Frequency Range	87.5 MHz~108.0MHz/ 76.0MHz~108.0MHz
	Headset Output	Max. 7mW (16) Max Volume
	S/N Ratio	50dB
	Antenna	Headset/earphone antenna
Audio	Frequency Characteristics	20Hz ~ 20KHz
	Headset Output	Max. 15mW (16) Max Volume
	S/N ratio	90dB
Supporting Files	File format	MP3, WMA, WMA DRM
	Bit Rate	MP3 : 8~320Kbps, WMA : 32~192Kbps
USB	Download speed	25Mbps (USB Ver 2.0)
Recording Time		520min voice recording(256MB, 64Kbps Recording Mode)
Max. Running Time		10 Hr
Operating Temperature		-5 ℃~70 ℃
Size (W × H ×D)		24 X 24 X 24 (mm)
Weight		18 (g)
Battery (Built-in)		Li-Polymer

Accessories

- ※ Illustrations may be different from the actual product.
- ※ Accessories shown below may be different from purchased products to improve quality of the unit.



USB / Charging Cable



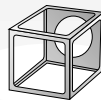
Program CD



Necklace Earphone



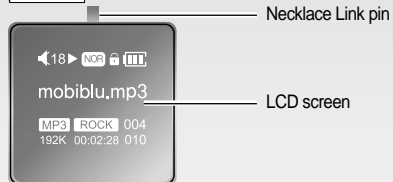
User's Manual



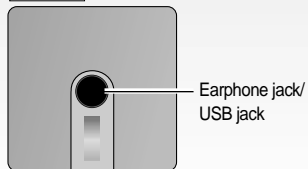
Cube Crate
Protective Case

Part Specifications

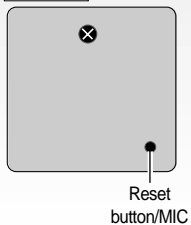
Front



Top

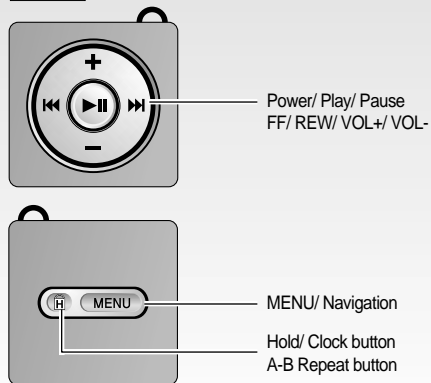


Bottom



Part Specifications

Sides



Buttons



- Power ON/OFF
- File Play/ Pause
- Move to Submenu/ Menu Set-value Save



- Searching Previous/Next File
- Move to Left/Right Menu
- Move to Navigation sub/preceding Folder



- Volume Up/Down
- Move to Navigation sub/preceding folder or file

MENU

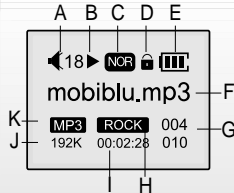
- Move into Menu/ Navigation Mode
- Move to preceding Menu



- Hold
- Clock View
- A-B Repeat

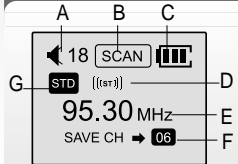
LCD Display

Music Mode



- A: Displays volume
- B: Displays file status (Play/ Pause/ Stop)
- C: Displays play mode
- D: Displays hold/ A-B repeat status
- E: Displays battery status
- F: Displays file title
- G: Displays current file number / total file numbers
- H: Displays EQ/ SRS
- I: Displays file elapsing time
- J: Displays file bitrate
- K: Displays current file format

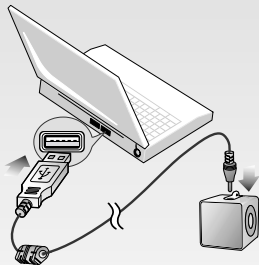
FM Mode



- A: Displays volume
- B: Displays P-set/ scan mode
- C: Displays battery status
- D: Displays stereo/mono
- E: Displays frequency
- F: Displays P-set Ch. No/ Save Ch. No
- G: Displays listening area

Recharging

To recharge the battery use the USB cable to connect the unit to the PC.



Note!

- It takes approx 3 hours to completely recharge a fully discharged battery.
- Recharging is not interrupted while downloading/uploading files from/to PC.
- Recharge the product using USB cable when LCD screen is not activated.

Power

1. When the unit is turned on initially it may take few seconds before displaying current battery status.



2. Duration of continuous play.

- ① 10 hours under the following conditions:
- ② MP3: 128Kbps, 44.1 Khz
- ③ Volume is set no higher than 20
- ④ LCD is OFF



※When to recharge the battery

- ① Buttons are not functioning properly.
- ② LCD is not activated by pushing the power button.
- ③ LCD shows "Low Battery"

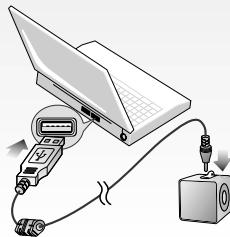
Connecting to a PC

Note!

- What is USB (Universal Serial Bus)? This is a new connection system between PC and peripheral devices.
- Connect the USB cable supplied with the product into a USB port in PC. Any unexpected error can happen when connecting to the USB port in front of PC or USB hub.
- Windows version 98SE or lower will not detect the DAH-1500i as a peripheral device. To have your PC detect the player Install the Program CD supplied.

USB cable connection

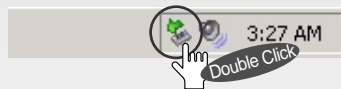
Connect one end of the cable into a USB port on the back of your PC and the other end to the earphone jack of the DAH-1500i.



Disconnecting

■ Windows ME, 2000 and XP Operating Systems

- 1 Double click on the green arrow on the right-bottom part of the initial Window screen.



- 2 Click on "Stop" and "OK" after selecting USB High Capacity Storage Device



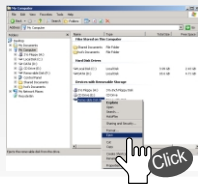
Disconnecting

- 3 Click "OK" on "Safe To Remove Hardware" window and remove the cable.



■ Disconnecting with Windows 98SE

Open "My Computer" or Windows "Search". Select "Removable Disk". Using the right mouse button select "Remove". Remove the USB cable.



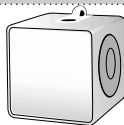
Note!

- Removing the cable without following the instructions above will display a warning message and may cause a fatal error in PC or the product.
- Removing the cable while downloading or uploading files, or while formatting files may cause a fatal error in PC or the product.

2



Basic Operations



Power ON/OFF	23
Navigation	24
Play Menu	25
Hold Function	26
Clock	27

Power ON/OFF

Turn Power ON



Press and hold the play/pause button to turn the power on.

Note!

- When the battery needs recharging the LCD will display the "Battery Low" icon.
- Recharge the battery when LCD is not activated.

Turning Power OFF



Press and hold the play/pause button to turn the unit off.

Note!

- When no button manipulation in pause condition is done after the set period of time for "Auto Power Off," it automatically turns off the power.
- When you try to play a file after the restarting of the product, it completely recovers all previous setting. All track numbers, equalizer and other settings are recovered. (Resume function in second unit)

File Navigation

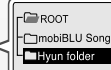
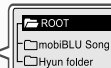
Example) play file "Bye bye":

MENU

Press

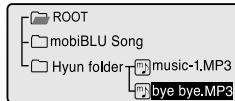


Press



Select bye bye.mp3

to play bye bye file.



Select "Hyun folder" then
press FF button

Note!

- Pressing REW button or . . / moves navigation one level up
- Folder icon
- File icon

Play Menu

MENU

- Activates/Disables menu function
- Returns to submenu/ main menu



- Moves right/left menu
- Control setting




- Activates submenu/ setting menu
- Saves current setting

※To access detailed explanation about menus see page 51.

Hold Function


Hold Mode Functions



- Press and hold the hold button to  pause all functions. Press the button once again to resume normal functioning.




Note!

- All buttons and functions are deactivated in Hold Mode.
- LCD shows  when in HOLD mode. If Backlight is off in HOLD mode pressing the button turns it on

Time

Time verification Auto Power OFF



■ Press  once to view the current time. Press the button again to exit.



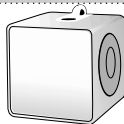
Note!

- Set the time by pressing the "Menu" button. Then select the "Set Time" option. (See page 59 for more details)
- If no button is manipulated clock will automatically shut down.

3



Play Functions



Play/ Pause	29
Selecting Music	30
Auto repeat	31
Deleting File	32

Play/ Pause

Playing file



Press the play/pause button once to play a selected file.

Stop



Press the play/ pause button once more to stop play.

Volume control



- Press "+" or "-" to increase or decrease the volume incrementally.
- Press and hold "+" or "-" to increase or decrease the volume continuously.

Music Selection

When music is paused



Press the file selection buttons to skip to the next /previous file without playing the file.

While playing music file



Press the file selection buttons once to skip to the next or previous file and the file will play.

Auto Repeat

Repeating

While playing music file...




 Press
button to select
starting file.



 Press
button to select
end file.



 Press
button to disable auto
repeat.

Note!

- If end file is not selected, last section of current file is automatically selected as end file.
- End file selection is available after 3 seconds from selecting starting file.

Deleting Files

Deleting Files

Example: to delete "Bye Bye.mp3" file

 Activate navigation mode

Press

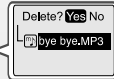
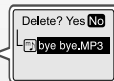


Select Bye Bye.mp3

select files with VOL+/VOL-, FF/REW buttons (see page 24)



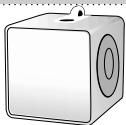
Press



 Complete deleting Bye Bye.mp3 file

4

Play List



Editing Play List	34
Playing the Files	35

Editing Play List

Making Play List

Example: To add Bye Bye.mp3 file to play list

MENU Activates navigation mode
Press



Select Bye Bye.mp3 file

select files with VOL+/VOL-, FF/REW buttons (see page 24)



MENU
Press



Note!

■ To cancel your selection:

select file from your list, then press **MENU**



Play the List

Playing the List

While in Navigation mode..

► After editing the play list



Press and Hold



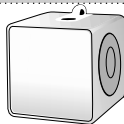
Play the List

Note!

- In Play List Mode, only files listed in Play List can be played.
- Activate navigation mode for general music files (see page 24)
- Pressing **MENU** button while in navigation mode, will play all saved music files.

5

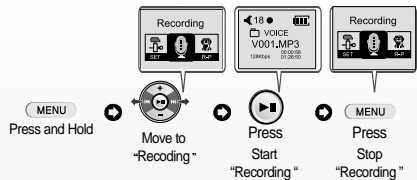
Voice Recording



Voice Recording	37
Play Back	38

Voice Recording

Recording



- Recording is paused by pressing play button while recording. To continue recording press play button again.

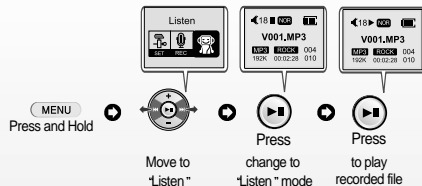
Note!

- You can play back your recorded voice at listen mode
- Voice recording is automatically stopped and saved when memory becomes full.
- The volume of recorded voice can be controlled by pressing Setting → Record Set → Record Gain
- Voice recording may not work properly when battery is low.

Voice Recorder

Play Back

※ Recorded voice and FM Radio Program can be played on Listen Mode.



- Use FF/REW button to search for recorded files
- Voice recorded files are shown as V001.mp3, V002.mp3, while Radio recordings are shown as F001.mp3, F002.mp3, etc
- Listen Mode only plays recorded voice or FM files Moving Vxxx.mp3, or Fxxx.mp3 files to other folder disables Listen Mode to play them back.



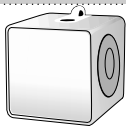
MEMO

Lined area for taking notes, consisting of approximately 18 horizontal lines.

6



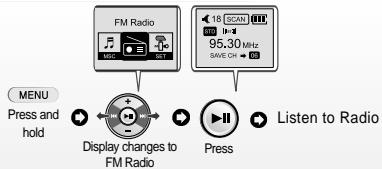
FM Radio Function



FM Radio Function.....	41
Tuning the Radio	43
Saving Station Frequencies	44
P-Set Mode	46
Recording Radio Program	47

FM Radio Function

Listening to the FM Radio



Note!

- The earphone also acts as the radio antenna.
- Local frequency ranges vary globally.

Reception/ Reception Standby

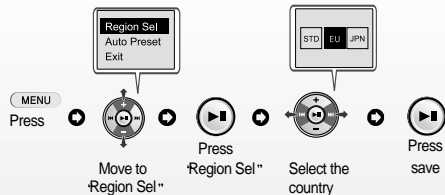
While receiving the signal



FM Radio Function

Region Select

This allows to search for FM frequency range for different regions, since the frequency is variable according to different countries.



- STD Standard : Search for 87.5-108.0MHz by 100 KHz increments.
- EU Europe : Search for 87.5-108.0MHz by 50KHz increments.
- JPN Japan : Search for 76.0-108.0MHz by 50KHz increments.

- After saving exit Settings by pressing MENU

Tuning in Radio Frequency

Tuning in Radio Frequency

in FM scan mode ...



to increase/decrease frequencies by 0.05MHz.

Press

in FM scan mode ...



to continuously increase/decrease frequencies.

Press and hold

Note!

- The frequency with the strongest signal is selected.
- Search model can vary according to the Region Selected.

Saving FM Frequencies

Manual Channel Save

Example: When saving 99.30 MHz on channel No.3

Choice
99.30MHz



MENU

Press



Changes to
Channel Save"



Press

select
Channel Save"



select channel
No.



Press

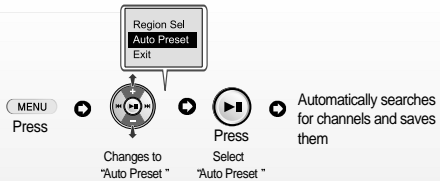
99.30MHz
Channel No.3
save

Note!

- Channel can be saved in Preset No.1 through 20.
- After saving press **MENU** to exit

Auto Channel Save

Auto Channel Save

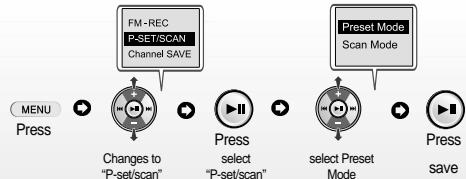


Note!

- After auto searching it will automatically move to P-set mode.

P-Set Mode

P-Set Mode



- You can access the station frequencies you saved by entering Preset Mode.
- After saving press **MENU** to exit

Preset Search

in FM Preset Mode ...



Note!

- Preset search is not available if there are no channels saved.

Recording FM Radio

Recording FM Radio



- Pressing briefly Play button will pause recording. Pressing it again will continue recording.

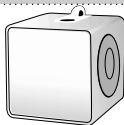
Note!

- Recorded files will be saved as F001.mp3 and can be replayed in Listen Mode.
- Recording sound quality can be controlled by pressing Setting → Record SET → Bitrate

7



Setting

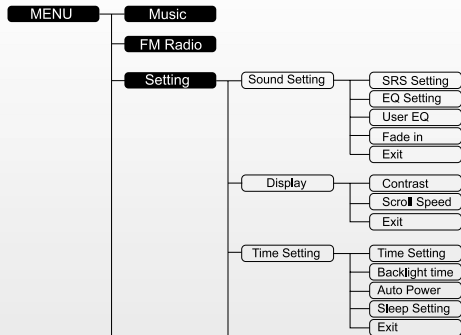


Menu List	49
Menu Buttons	51
Mode Change	52
Sound Setting	54
Display	58
Time setting	59
Play Mode	61
Record Set	62
Etc setting	63

Menu List

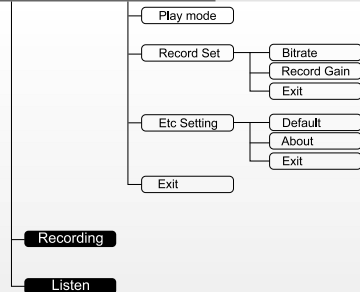
Menu List

Menus available in the product are as follows



Menu List

Menu List



Main menu	Sub menu	Set menu
There are Six main menus.	There are sub menus, Set menu under each main menu.	

Menu Buttons

Menu Button Functions

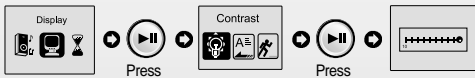
1. View Menu

 Press

2. Searching Menu



3. Entering Sub Menus, Set menu



Menu Buttons


Menu Button Functions

4. Modifying & Saving Set Value



5. Returning to preceding Menus (Main or Sub)



Press and hold  to exit Menu Mode.

Mode Change

Music Set



Music : Enter to play music file



FM Radio : Enter to record and listen to FM Radio



Setting: Enter to set Menu



Recording: Enter to voice record



Listen: Enter to listen to voice or FM recorded files

Sound Setting

Select "Sound Setting" from Setting

SRS Setting

SRS Focus

It enables individuals to enjoy better quality 3D surround sound by individual adjustment of different tones (Low, MID, HIGH).



Sp-Size

Enables control of speaker size (1-6) to enjoy different out put of sound.



Sound Setting

SRS Vol

Enables control of 3D surround sound (1-10)



Trubass Vol

Enables control of low tone sound (1-10)



Note!

- This is SRS Labs Trade Mark. WOW technology is licensed through SRS Labs Inc.
- SRS may boost the volume of sound output. Adjust accordingly.
- SRS is only available in Music Mode

Sound Setting

EQ Setting

Enables different setting for different types of music.



User EQ

Enables control of each tone according to listeners preference



User EQ is not available when EQ Setting is set to SRS, Trubass or WOW

Sound Setting

Fade in

It enables gradual increase of volume up to preset level.



On : Volume increases gradually up to set level

Off : Plays immediately to the set volume level

Display

Select "Display" from Setting

Contrast

Sets the brightness of your display (1-10)



Scroll Speed

Sets the scrolling speed (x1, x2, x4, x8, x12) on LCD display

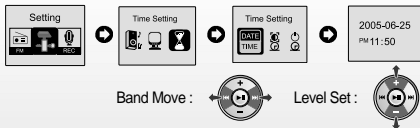



Time Setting

Select "Time Setting" from Setting

Time Setting

Sets date and time



■ Press  button to view set time from Music Pause and FM Radio mode

Backlight Time

Sets duration of backlight on LCD (5sec/10sec/20sec/30sec/Always)



Time Setting

Auto Power

Using this feature while the unit is paused or stopped allows you to set the unit to turn off automatically after a set time (disabled, 1 min, 2min, 5min, 10min)



Sleep Setting

Allows you to set the power to automatically turn off after a set period of time (disable, 10,20,30,60min)



Play mode

Select "Play mode" from setting

Play mode

Allows you to choose playing mode



- NOR** Normal: Music files are played once in sequence
- 1** Repeat 1: Selected file is played repeatedly
- ALL** Repeat all: All files are repeatedly played in sequence
- RAN** Random: All files are randomly played once. It stops after all files are played
- R-A** Random All: All files are randomly played non-stop.

Record Set

Select "Record Set" from setting

Bitrate

Lets you to set Bitrate(64,96,112,128,160 Kbps) while recording.



Record Gain

This feature enables control record sensitivity according to the distance



- A quality recording may be obtained even with record volume at level 0 if record gain is set to high

Etc Setting

Select "Etc Setting" from Setting

Default

Resets to the factory settings.



YES : Every setting will be reset

NO : Cancel Reset

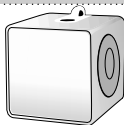
About

Shows information about F/W version, memory size, remaining memory, etc



8

Program



Installing the Program CD	66
Downloading/ Uploading	67
Files Format	70

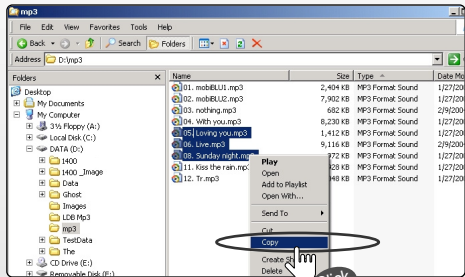
Downloading/ Uploading Files

Downloading/ Uploading Files

Note!

■ The unit downloads or uploads all types of data files (*.jpg,*.xls,*.hwp,...). It functions as a removable disk as well as an MP3 player.

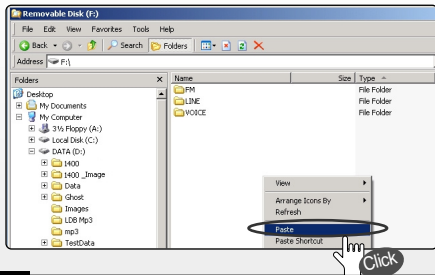
1. To download files connect USB cable, select your file and right click on "Copy".



Downloading/ Uploading Files

Downloading/ Uploading Files

2. Click on "Paste" in 'Removable Disk' window using right mouse button.



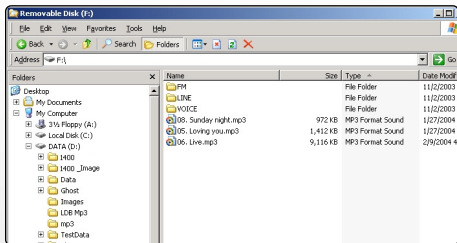
Note!

- Your PC will identify your cube as a removable disk under "My Computer"
- Do not remove the USB cable while transferring files. Doing so may cause fatal error in the PC or player.

Downloading/ Uploading Files

Downloading/ Uploading Files

3. Downloading selected files to your player is complete.



Note!

- Reverse steps 1 to 3 to upload files from the unit to your PC.
- You can also drag & drop to download/upload files.

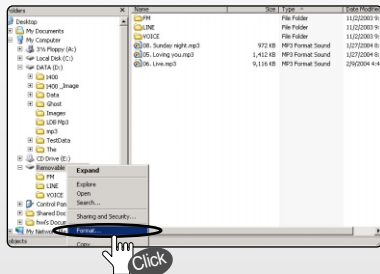
Format

Format

Note!

- Deleted files cannot be recovered after the device has been formatted!

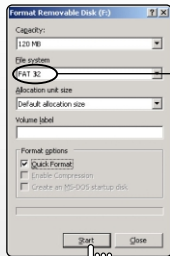
1. Select "Format" by right clicking on the 'removable disk' folder in PC Windows.



Format

Format

2. Click on "Start" when the format window pops up.



Check if file system is set for FAT32

Be very careful at format!



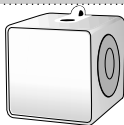
3. Formatting completed.



9



Support

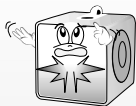


Troubleshooting 73
Warranty Card

Troubleshooting

Troubleshooting

1. Unit will not turn ON?



- Check the battery capacity.
- Recharge the battery with USB cable.
- Check to see if the unit is on HOLD.

2. Buttons are not working?



- Check to see if the unit is in Hold Mode.

Troubleshooting

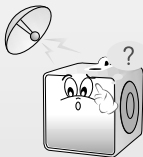
Troubleshooting

3. Files are heard with a lot of interference?



- Ensure that earphones are inserted securely into the unit.
- Check your volume setting.
- Electronics in the immediate environment may be interfering with unit functioning.

4. Too much noise with interrupted FM receiving?

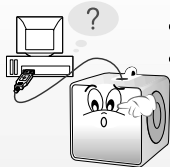


- Ensure that earphones are inserted securely into the unit.
- Electronics in the immediate environment may be interfering with unit functioning.

Troubleshooting

Troubleshooting

5. Problems downloading files?



- Check USB cable connection.
- Check available memory capacity.

6. LCD is not activated?



- Check LCD brightness setting (Setting → Display → Contrast).
- Check the battery. Recharge it with a USB cable if needed.

FCC RF INTERFERENCE STATEMENT

Note

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio, TV technician for help.
- Only a shielded interface cable should be used.

Finally, any changes or modifications to the equipment by the user not expressly approved by the guarantee or manufacturer could void the warranty the users authority to operate such equipment.

CAUTION

Changes or modifications not expressly approved by the manufacturer could void the warranty.

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

Warranty Card

Product Name:

Model:

Date of Purchase: (m) (d) (y)

Name of Customer

Telephone Number:

Address:

Name of Agent:

Telephone Number:

Address:

1 year from the
date of purchase

HW Hyun Won Inc.

● You need to present this Warranty Card with the date of purchase written thereon when required in order to receive satisfactory services. Please keep this card in a secure place.

1. The warranty service for the product shall be provided based on the information contained in this Warranty Card.
2. The warranty service is available effective from the date of purchase, so please put the date of purchase on this Warranty Card. (If the date of purchase is not identified in the card, the effective warranty period will start from the date 6 months from the date of manufacture.)
3. This Warranty Card can not be reissued

The design and size of the product are subject to change without prior notice in order to improve product quality.